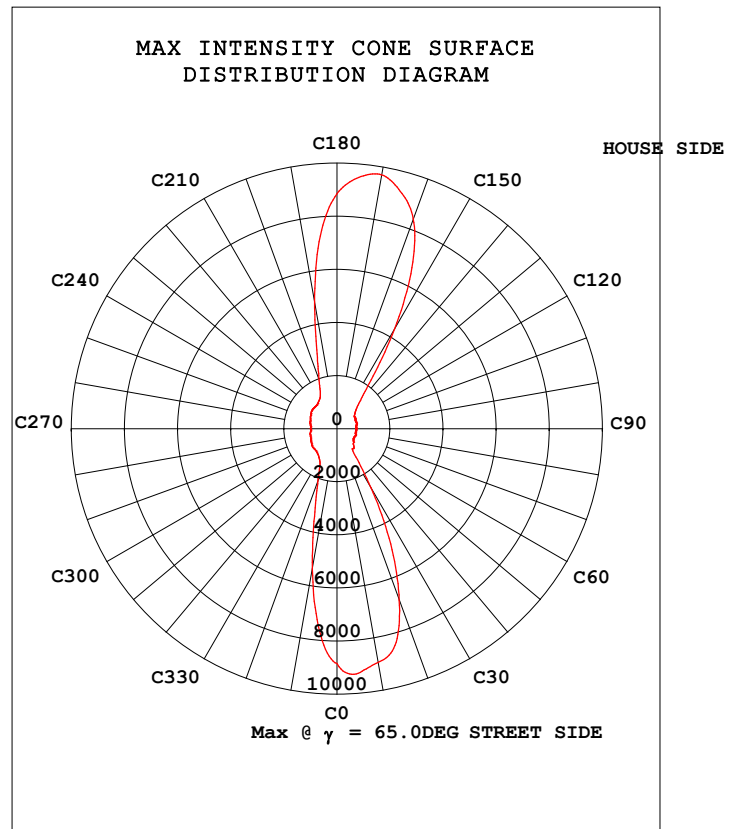
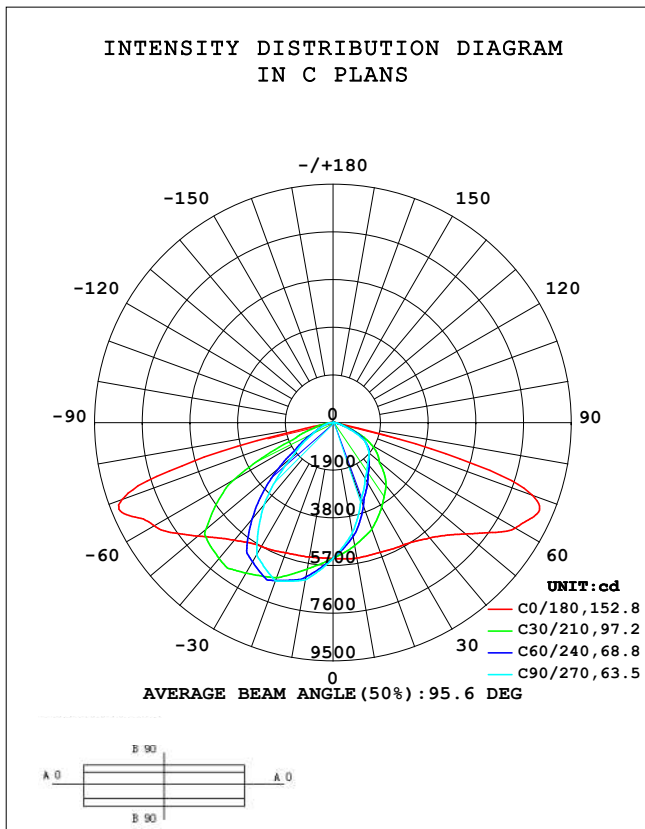


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.05 lm/W			
MODEL	LED	Imax (cd)	9714	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	50.2
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	17878	η house_up (%)	0.0
NOMINAL FLUX (lm)	17878.3	MAXIMUM @ (C, γ)	170,65.0	η house_down (%)	49.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.992



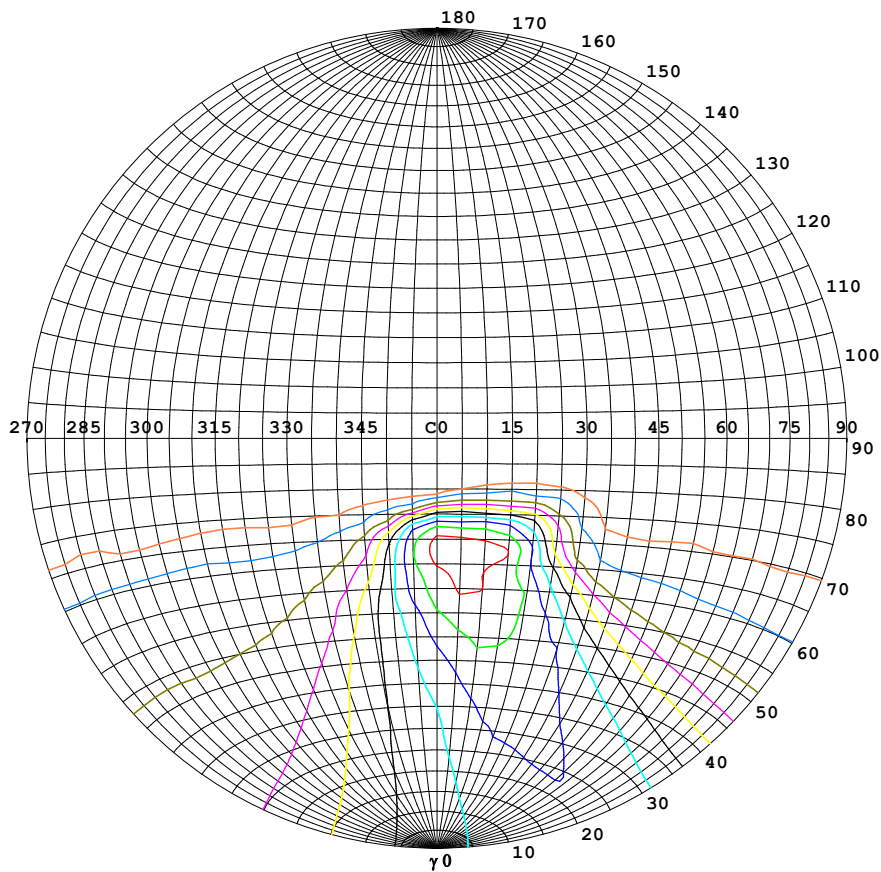
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



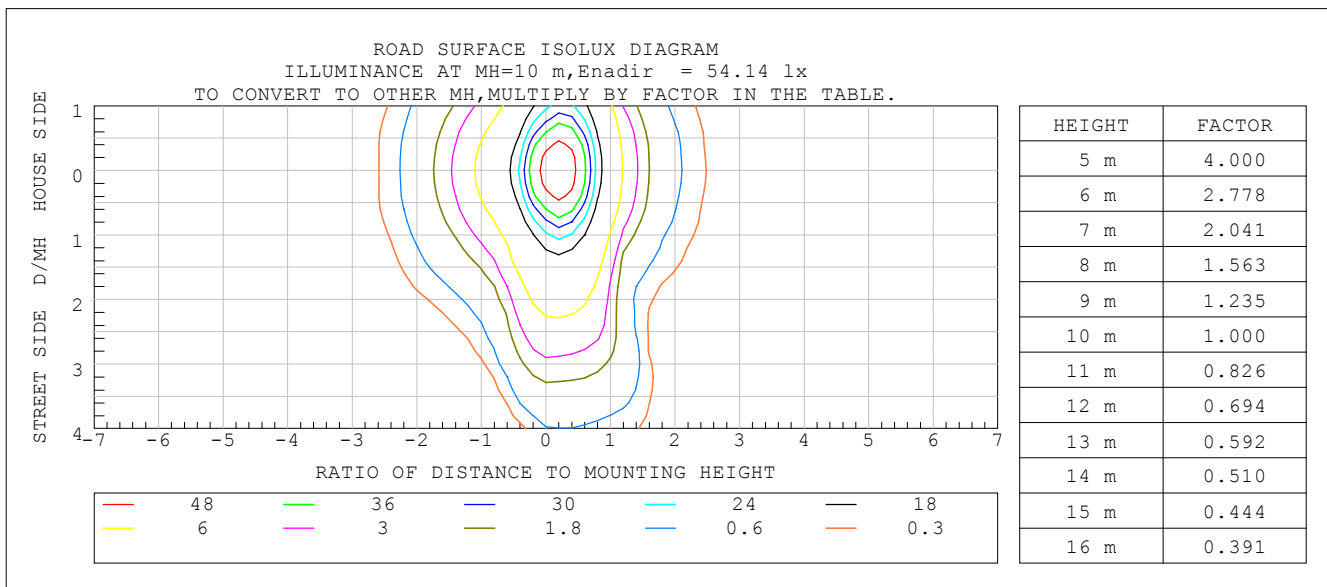
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:57.77cd/klm
Max.At90:4.298cd/klm
Max.80-90:57.77cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9714
90%	8742
80%	7771
70%	6799
60%	5828
50%	4857
40%	3885
30%	2914
20%	1943
10%	971
5%	486

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

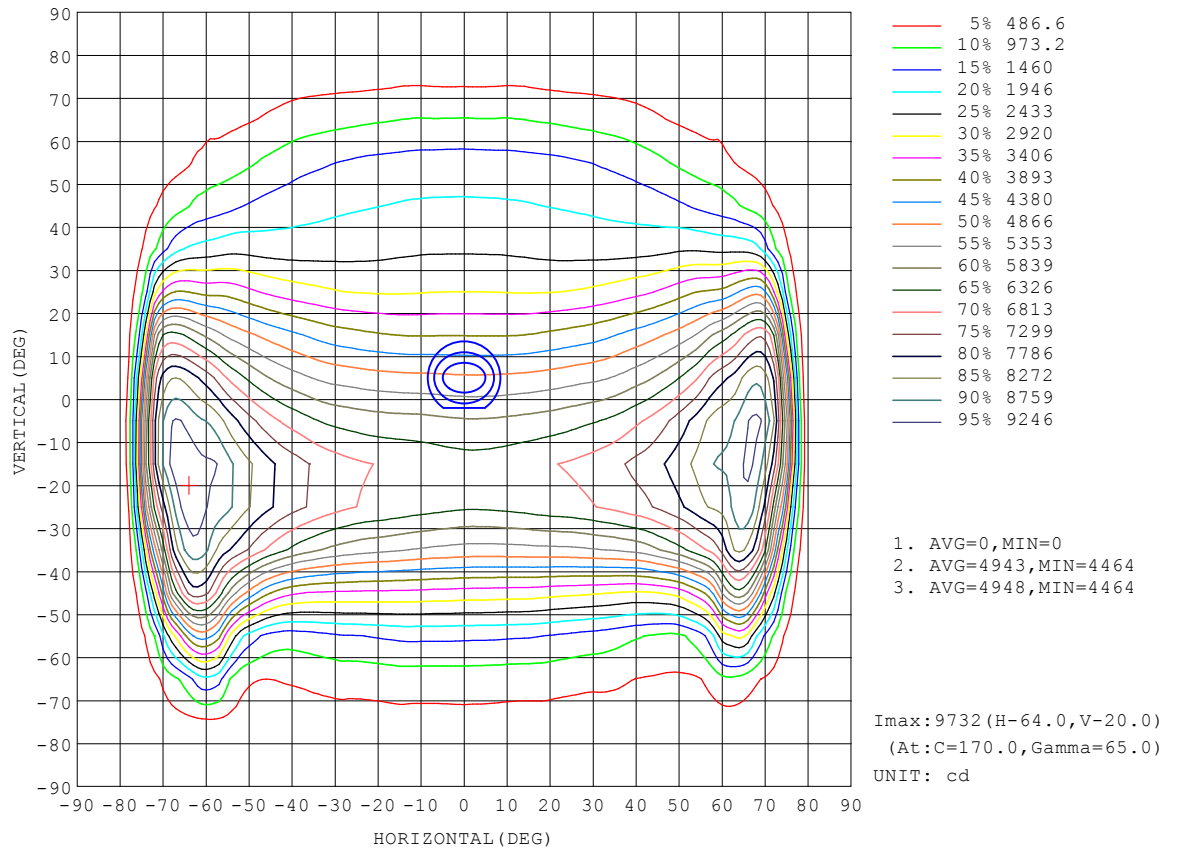
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	5413	5747	5891	5777	5448	5096	4941	5075	0- 5	129.6	129.6	0.72,0.72
10	5443	6110	6368	6165	5485	4772	4468	4749	5- 10	388.9	518.4	2.9,2.9
15	5470	6463	6542	6530	5481	4404	3869	4401	10- 15	643.3	1162	6.5,6.5
20	5525	6658	6717	6708	5504	3943	3270	3962	15- 20	881.5	2043	11.4,11.4
25	5620	6852	6405	6897	5565	3471	2921	3518	20- 25	1101	3144	17.6,17.6
30	5701	6816	6093	6891	5630	3108	2572	3157	25- 30	1294	4438	24.8,24.8
35	5847	6572	5186	6706	5772	2768	2364	2799	30- 35	1453	5891	32.9,32.9
40	6123	6218	4278	6456	6007	2395	2156	2408	35- 40	1564	7455	41.7,41.7
45	6500	5259	3202	5659	6355	2204	2017	2216	40- 45	1628	9083	50.8,50.8
50	7034	4176	2127	4801	6906	1974	1879	1983	45- 50	1639	10722	60,60
55	7679	2830	1554	3286	7644	1770	1674	1784	50- 55	1603	12325	68.9,68.9
60	8230	1431	981.8	1661	8401	1543	1468	1541	55- 60	1537	13862	77.5,77.5
65	8841	889.5	724.7	1026	8847	1176	1002	1147	60- 65	1409	15271	85.4,85.4
70	8948	522.5	467.5	576.7	8452	761.6	535.4	724.2	65- 70	1251	16522	92.4,92.4
75	5310	352.5	325.3	382.2	4065	381.3	331.5	368.8	70- 75	910.1	17432	97.5,97.5
80	281.7	219.7	183.1	243.7	253.5	207.1	127.6	193.5	75- 80	347.3	17780	99.4,99.4
85	120.5	59.95	0	69.45	84.82	49.48	0	43.07	80- 85	85.08	17865	99.9,99.9
90	76.85	0	0	0	59.86	0	0	0	85- 90	13.63	17878	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

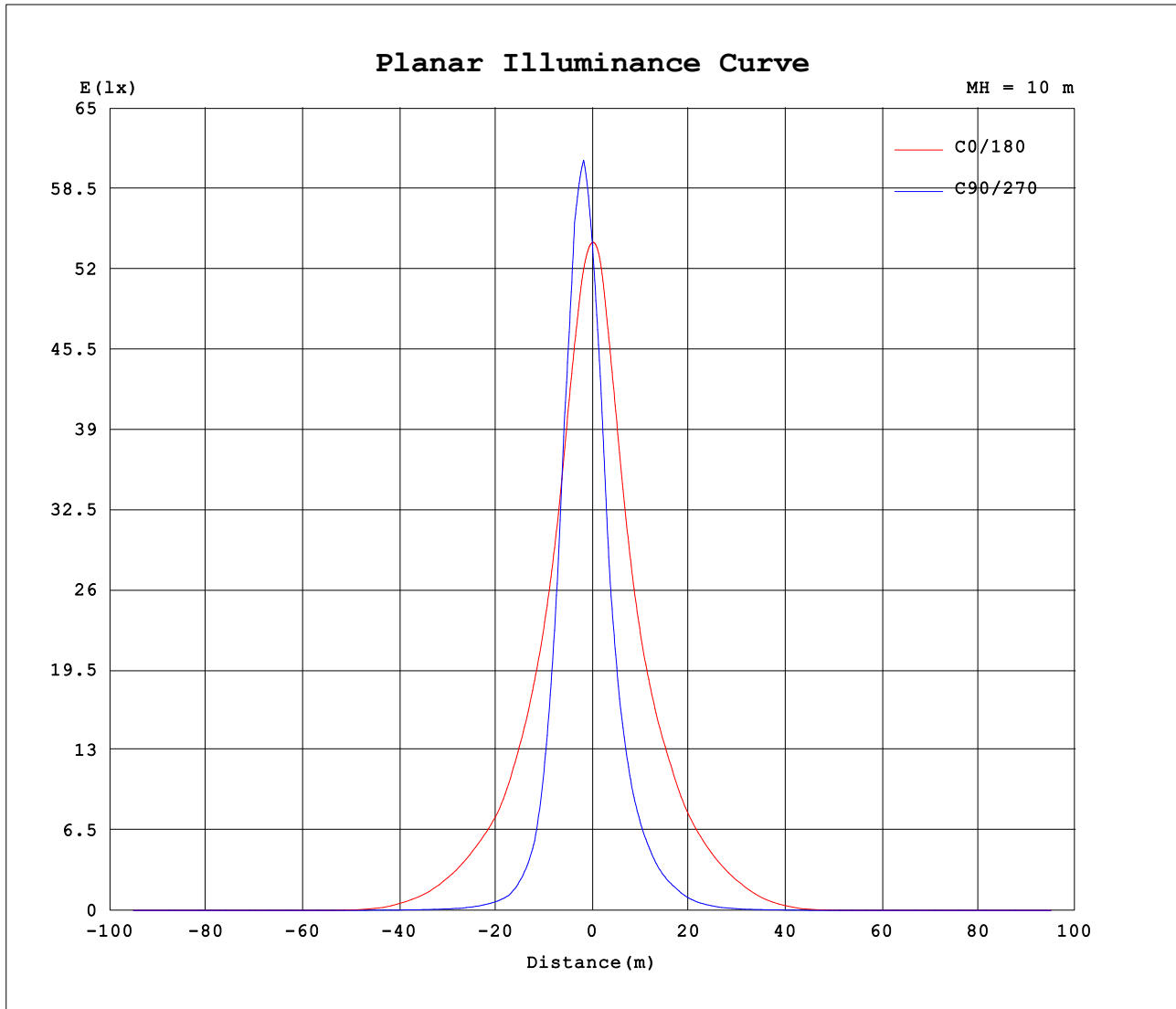
Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



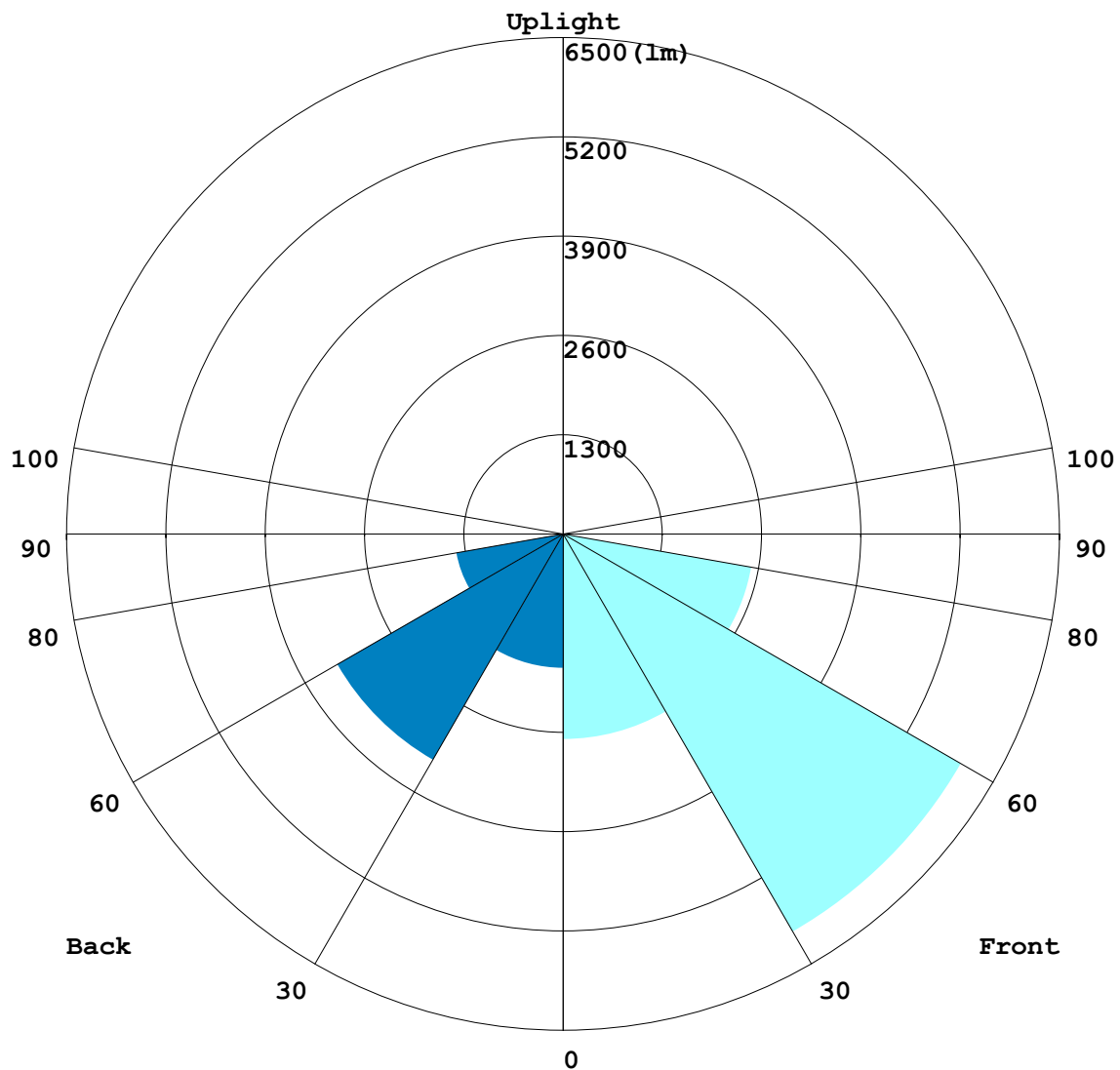
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2685.7	15.0
FM - Front-Medium(30-60)	6012	33.6
FH - Front-High(60-80)	2500.4	14.0
FVH - Front-Very High(80-90)	63.336	0.4
Total Forward Light	11261	63.0

BL - Back-Low(0-30)	1752.2	9.8
BM - Back-Medium(30-60)	3412.2	19.1
BH - Back-High(60-80)	1417.3	7.9
BVH - Back-Very High(80-90)	35.379	0.2
Total Back Light	6617	37.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6617	0	6617
Street Side	11261	0	11261

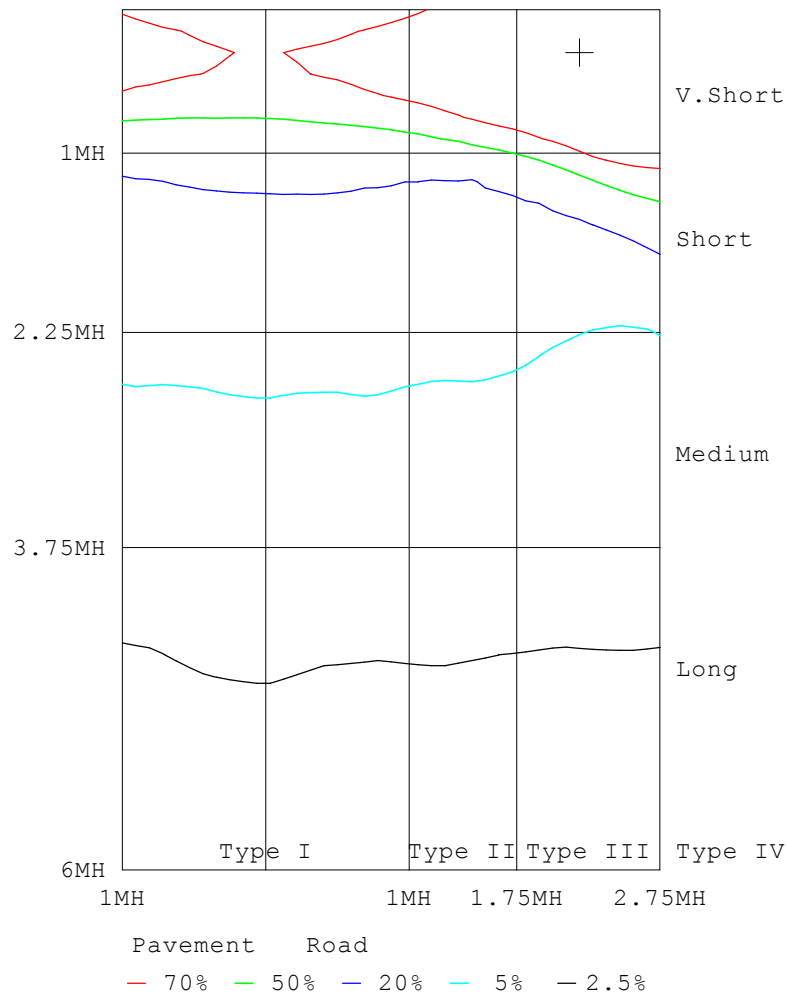
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.5660A P:122.4W PF:0.9793 Lamp Flux:17878.3x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```